

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2010 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

***San Joaquin River Basin***

<b>NA0013</b>	Overall LMA Rating	Total LMA Miles				
<b>Merced Streams Group</b>	<b>U</b>	<b>6.40</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.01	0.32	1.29	20.16%		
Trim / Thin Trees	0.04		0.04	0.63%		
Encroachments	0.07		0.07	1.09%	0.01	
Animal Control	0.61	0.04	0.77	12.03%		
<i>Interior Drainage &amp; Piping Systems</i>						
Culverts: Inlets / Outlets	0.01		0.01	0.16%		
<i>Channels</i>						
Vegetation & Obstructions		0.01	0.04	0.63%		
Encroachments	1.14		1.14	17.81%		
<i>Supplemental</i>						
DWR Erosion Survey	0.15	0.01	0.19	2.97%		
<i>LMA Totals:</i>	2.03	0.38	3.55	55.47%	0.01	0.00
<b>Unit No. 01 Black Rascal Diversion</b>	Overall Unit Rating	Total Unit Miles				
	<b>U</b>	<b>1.64</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation		0.32	1.28	78.05%		
<i>Unit Totals:</i>	0.00	0.32	1.28	78.05%	0.00	0.00
<b>Unit No. 02 Black Rascal Diversion</b>	Overall Unit Rating	Total Unit Miles				
	<b>U</b>	<b>1.88</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments	0.01		0.01	0.53%	0.01	
Animal Control	0.31		0.31	16.49%		
<i>Channels</i>						
Encroachments	1.14		1.14	60.64%		
<i>Unit Totals:</i>	1.46	0.00	1.46	77.66%	0.01	0.00
<b>Unit No. 03 Owens Creek Diversion</b>	Overall Unit Rating	Total Unit Miles				
	<b>M</b>	<b>1.44</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.01		0.01	0.69%		
Trim / Thin Trees	0.03		0.03	2.08%		
Animal Control	0.09		0.09	6.25%		
<i>Channels</i>						
Vegetation & Obstructions		0.01	0.04	2.78%		
<i>Supplemental</i>						
DWR Erosion Survey	0.01	0.01	0.05	3.47%		
<i>Unit Totals:</i>	0.14	0.02	0.22	15.28%	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2010 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

***San Joaquin River Basin (cont.)***

Unit No. 04 Owens Creek Diversion		Overall Unit Rating	Total Unit Miles				
		<b>U</b>	<b>1.44</b>				
Rated Item		M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
						PO Miles	CO Miles
<i>Earthen Levee</i>							
Trim / Thin Trees		0.01		0.01	0.69%		
Encroachments		0.06		0.06	4.17%		
Animal Control		0.21	0.04	0.37	25.69%		
<i>Interior Drainage &amp; Piping Systems</i>							
Culverts: Inlets / Outlets		0.01		0.01	0.69%		
<i>Supplemental</i>							
DWR Erosion Survey		0.14		0.14	9.72%		
<i>Unit Totals:</i>		0.43	0.04	0.59	40.97%	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2010 Levee Inspection Results**

**Merced Streams Group**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections  
Unit Cover Sheet  
Fall 2010 Levee Inspection Results  
Merced Streams Group**

Waterway			Bank	Unit Miles
Unit No. 01 Black Rascal Diversion			Right	1.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/16/2010		11/17/2010	
DWR Inspector	Herman Phillips		John Paasch	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion				Right	1.64	11/18/2010 11/18/2010	John Paasch

  

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	1.31	1.63	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	37.332825 ° -120.394887 °	37.337056 ° -120.396531 °	1 Y
2	1.31	1.31	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Slide gate on waterside slope.	37.332829 ° -120.394885 °	37.332829 ° -120.394885 °	4

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected/Rated  
C : Corrected  
W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.64	11/18/2010 11/18/2010	John Paasch

Levee Mile Report Line	1
Start Levee Mile	1.31
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Blackberries and dense brush obstruct access and visibility of top 20' of waterside slope. Photo looking downstream. MID canal on right.

jpaasch\_f\_20101118\_591.jpg



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**Flood Control Project Maintenance  
Levee Inspections  
Unit Cover Sheet  
Fall 2010 Levee Inspection Results  
Merced Streams Group**

Waterway			Bank	Unit Miles
Unit No. 02 Black Rascal Diversion			Left	1.88

  

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/16/2010		11/17/2010	
DWR Inspector	Herman Phillips		John Paasch	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion				Left	1.88	11/18/2010 11/18/2010	John Paasch

  

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.29	0.29	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.336012 ° -120.391994 °	37.336012 ° -120.391994 °	16
2	0.44	0.44	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps.	37.333962 ° -120.392637 °	37.333962 ° -120.392637 °	17 Y
3	0.53	1.67	Channels	Encroachments	WS	M	Inspector Comments: Dredge material piled on waterside berm may effect channel capacity during high flows.	37.333394 ° -120.393872 °	37.317640 ° -120.395743 °	1 Y
4	0.53	0.53	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.333200 ° -120.394069 °	37.333200 ° -120.394069 °	15
5	0.58	0.58	Earthen Levee	Encroachments	WS	W	Equipment Inspector Comments: Federal gauging station.	37.332531 ° -120.394135 °	37.332531 ° -120.394135 °	14
6	0.61	0.61	Earthen Levee	Encroachments	LS	M	Prunings Inspector Comments: Orchard prunings at levee toe.	37.332257 ° -120.394133 °	37.332257 ° -120.394133 °	13
7	0.64	0.64	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.331840 ° -120.394190 °	37.331840 ° -120.394190 °	9
8	0.70	0.97	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.331107 ° -120.394673 °	37.327500 ° -120.396098 °	8
9	0.73	0.73	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows.	37.330722 ° -120.394974 °	37.330722 ° -120.394974 °	2
10	0.90	0.90	Earthen Levee	Encroachments	LS	PO	Buildings Inspector Comments: Wooden barn on levee slope and toe.	37.328521 ° -120.396076 °	37.328521 ° -120.396076 °	12
11	0.91	0.91	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drain outlet to diversion channel.	37.328244 ° -120.396089 °	37.328244 ° -120.396089 °	11 Y
12	1.32	1.32	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drain outlet to diversion channel.	37.322497 ° -120.396044 °	37.322497 ° -120.396044 °	10 Y
13	1.46	1.46	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.320576 ° -120.396017 °	37.320576 ° -120.396017 °	6
14	1.46	1.46	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.320576 ° -120.396016 °	37.320576 ° -120.396016 °	7
15	1.63	1.63	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.318037 ° -120.395743 °	37.318037 ° -120.395743 °	3

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.88	11/18/2010 11/18/2010	John Paasch

Levee Mile Report Line	2
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Large tree stump on levee slope.

jpaasch\_f\_20101118\_595.jpg



Levee Mile Report Line	3
Start Levee Mile	0.53
End Levee Mile	1.67
Location	Water Side
Category	Channels
Item	Encroachments

Dredge material placed on berm of diversion channel.

jpaasch\_f\_20101118\_594.jpg



Levee Mile Report Line	11
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Culverts: Inlets / Outlets

Drainage discharge outlet to diversion channel.

jpaasch\_f\_20101118\_592.jpg



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**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.88	11/18/2010 11/18/2010	John Paasch

Levee Mile Report Line	12
Start Levee Mile	1.32
End Levee Mile	1.32
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Culverts: Inlets / Outlets

Drainage discharge outlet to diversion channel.

jpaasch\_f\_20101118\_593.jpg



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**Flood Control Project Maintenance  
Levee Inspections  
Unit Cover Sheet  
Fall 2010 Levee Inspection Results  
Merced Streams Group**

Waterway			Bank	Unit Miles
Unit No. 03 Owens Creek Diversion			Right	1.44
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/16/2010		11/17/2010	
DWR Inspector	Herman Phillips		John Paasch	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion							Right	1.44	11/18/2010 11/19/2010	John Paasch
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.01	0.01	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.257726 ° -120.288522 °	37.257726 ° -120.288522 °	25 Y
2	0.02	0.33	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	37.257814 ° -120.288408 °	37.262335 ° -120.288487 °	23 Y
3	0.19	0.19	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.260256 ° -120.288526 °	37.260256 ° -120.288526 °	24
4	0.29	0.29	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.261663 ° -120.288524 °	37.261663 ° -120.288524 °	9
5	0.39	0.39	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.263169 ° -120.288256 °	37.263169 ° -120.288256 °	21
6	0.44	0.44	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.263826 ° -120.288439 °	37.263826 ° -120.288439 °	22
7	0.59	0.59	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.265906 ° -120.288301 °	37.265906 ° -120.288301 °	19
8	0.59	0.59	Channels	Vegetation & Obstructions	WS	U		37.265898 ° -120.288276 °	37.265898 ° -120.288276 °	20 Y
9	0.68	0.68	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.266998 ° -120.287393 °	37.266998 ° -120.287393 °	18
10	0.79	0.79	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.268326 ° -120.286295 °	37.268326 ° -120.286295 °	17
11	0.80	0.80	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.268422 ° -120.286240 °	37.268422 ° -120.286240 °	16
12	0.84	0.84	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.268923 ° -120.285818 °	37.268923 ° -120.285818 °	969
13	1.00	1.00	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 11/30/2010: Site was not inspected this year due to time constraint. There have been no reports from the district that this site was corrected. Continue to monitor during flood events. [2010 SiteID: NA0013U03RM1]	37.270800 ° -120.284180 °	37.270800 ° -120.284180 °	2 Y
14	1.03	1.03	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.271121 ° -120.283785 °	37.271121 ° -120.283785 °	6
15	1.15	1.15	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.272036 ° -120.282111 °	37.272036 ° -120.282111 °	15

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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion				Right	1.44	11/18/2010 11/19/2010	John Paasch

  

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	1.17	1.17	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.272209 ° -120.281796 °	37.272209 ° -120.281796 °	14
17	1.20	1.20	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.272444 ° -120.281282 °	37.272444 ° -120.281282 °	970
18	1.23	1.23	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows.	37.272553 ° -120.280742 °	37.272553 ° -120.280742 °	971
19	1.24	1.24	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: This Unit is maintained as far as the vegetation is concerned however there is a problem with the rodents. The District should have bait stations through out the area where rodents are present.	37.272584 ° -120.280543 °	37.272584 ° -120.280543 °	8
20	1.25	1.25	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.272707 ° -120.280334 °	37.272707 ° -120.280334 °	7 Y
21	1.25	1.25	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 11/30/2010: Site was not inspected this year due to time constraint. There have been no reports from the district that the site. Continue to monitor during flood events. [2010 SiteID: NA0013U03RM1.25]	37.272630 ° -120.280390 °	37.272630 ° -120.280390 °	1 Y
22	1.27	1.27	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.272866 ° -120.280295 °	37.272866 ° -120.280295 °	13
23	1.28	1.28	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.273081 ° -120.280291 °	37.273081 ° -120.280291 °	5
24	1.28	1.43	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	37.273050 ° -120.280280 °	37.273580 ° -120.277876 °	3 Y
25	1.28	1.28	Earthen Levee	Encroachments	WS	A	Equipment Inspector Comments: Gauge	37.273072 ° -120.280270 °	37.273072 ° -120.280270 °	12
26	1.32	1.32	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.273454 ° -120.279891 °	37.273454 ° -120.279891 °	4 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected/Rated  
C : Corrected  
W : Watch/Monitor



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Tall thistle within 10' of landside toe obstructs access and visibility.

jpaasch\_f\_20101122\_596.jpg



Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	0.33
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Well maintained vegetation on levee slopes and crown provide access and visibility during inspection.

jpaasch\_f\_20101122\_601.jpg



Levee Mile Report Line	8
Start Levee Mile	0.59
End Levee Mile	0.59
Location	Water Side
Category	Channels
Item	Vegetation & Obstructions

Slopes of project channel have been damaged by removing levee material and placing it in the channel to back up water during low flow.

jpaasch\_f\_20101122\_600.jpg



**\* Location**

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CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	13
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2008.

SJR2010\_RM1.00U3LM1.00RBa.jpg



Levee Mile Report Line	13
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2008.

SJR2010\_RM1.00U3LM1.00RBb.jpg



Levee Mile Report Line	13
Start Levee Mile	1.00
End Levee Mile	1.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2008.

SJR2010\_RM1.00U3LM1.00RBc.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	20
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Active animal burrows on levee slope and toe.	
jpaasch_f_20101122_599.jpg	



Levee Mile Report Line	21
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Photo taken in 2008.	
SJR2010_RM1.25U3LM1.25RBa.jpg	



Levee Mile Report Line	21
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Photo taken in 2008.	
SJR2010_RM1.25U3LM1.25RBb.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	21
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2008.

SJR2010\_RM1.25U3LM1.25RBc.jpg



Levee Mile Report Line	21
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2008.

SJR2010\_RM1.25U3LM1.25RBd.jpg



Levee Mile Report Line	24
Start Levee Mile	1.28
End Levee Mile	1.43
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Well maintained vegetation on slopes of diversion channel.

jpaasch\_f\_20101122\_597.jpg



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	26
Start Levee Mile	1.32
End Levee Mile	1.32
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree on levee slope should be trimmed up 5' to improve vsibility.	
jpaasch_f_20101122_598.jpg	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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**Flood Control Project Maintenance  
Levee Inspections  
Unit Cover Sheet  
Fall 2010 Levee Inspection Results  
Merced Streams Group**

Waterway			Bank	Unit Miles
Unit No. 04 Owens Creek Diversion			Left	1.44
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/16/2010		11/17/2010	
DWR Inspector	Herman Phillips		John Paasch	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion							Left	1.44	11/18/2010 11/19/2010	John Paasch
LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.04	0.10	Earthen Levee	Encroachments	CR	M	Agricultural tilling Inspector Comments: Tilling on levee slope and crown will degrade levee over time.	37.273306 ° -120.278516 °	37.273277 ° -120.279675 °	38
2	0.10	0.10	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.273301 ° -120.279678 °	37.273301 ° -120.279678 °	30
3	0.12	0.12	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.272997 ° -120.280003 °	37.272997 ° -120.280003 °	29
4	0.15	0.28	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 11/30/2010: Site was not inspected this year due to time constraints. There have been no reports from the district that the site has been corrected. [2010 SiteID: NA0013U04RM0.21]	37.272283 ° -120.280869 °	37.272283 ° -120.280869 °	4 Y
5	0.18	0.18	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.272442 ° -120.280273 °	37.272442 ° -120.280273 °	28
6	0.18	0.18	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.272429 ° -120.280251 °	37.272429 ° -120.280251 °	1
7	0.23	0.23	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.272219 ° -120.281157 °	37.272219 ° -120.281157 °	31
8	0.28	0.28	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.271809 ° -120.281876 °	37.271809 ° -120.281876 °	32
9	0.32	0.32	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.271511 ° -120.282456 °	37.271511 ° -120.282456 °	27
10	0.42	0.43	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 11/30/2010: Site was not inspected this year due to time constraints. There have been no reports from the district that the site has been corrected. [2010 SiteID: NA0013U04RM0.42]	37.270630 ° -120.283970 °	37.270630 ° -120.283970 °	3 Y
11	0.45	0.45	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows.	37.270369 ° -120.284182 °	37.270369 ° -120.284182 °	968
12	0.45	0.45	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.270337 ° -120.284230 °	37.270337 ° -120.284230 °	26
13	0.50	0.50	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.269709 ° -120.284712 °	37.269709 ° -120.284712 °	2
14	0.53	0.53	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.269357 ° -120.284992 °	37.269357 ° -120.284992 °	25

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/18/2010 11/19/2010	John Paasch

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.58	0.58	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.268714 ° -120.285554 °	37.268714 ° -120.285554 °	24
16	0.62	0.62	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows.	37.268267 ° -120.285877 °	37.268267 ° -120.285877 °	6
17	0.63	0.63	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.268176 ° -120.285983 °	37.268176 ° -120.285983 °	23
18	0.65	0.65	Earthen Levee	Animal Control	WS	U	Exterminate rodents and backfill and compact or grout burrows.	37.267983 ° -120.286154 °	37.267983 ° -120.286154 °	22 Y
19	0.66	0.70	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.267841 ° -120.286257 °	37.267356 ° -120.286650 °	21
20	0.72	0.72	Earthen Levee	Animal Control	LS	U	Exterminate rodents and backfill and compact or grout burrows.	37.267078 ° -120.286847 °	37.267078 ° -120.286847 °	969 Y
21	0.73	0.73	Earthen Levee	Animal Control	WS	U	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.267035 ° -120.286910 °	37.267035 ° -120.286910 °	20 Y
22	0.75	0.75	Earthen Levee	Animal Control	WS	U	Exterminate rodents and backfill and compact or grout burrows.	37.266769 ° -120.287130 °	37.266769 ° -120.287130 °	19 Y
23	0.79	0.79	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.266270 ° -120.287543 °	37.266270 ° -120.287543 °	18
24	0.81	0.81	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.265936 ° -120.287810 °	37.265936 ° -120.287810 °	17
25	0.84	0.84	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.265620 ° -120.287973 °	37.265620 ° -120.287973 °	33
26	0.86	0.86	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.265229 ° -120.288030 °	37.265229 ° -120.288030 °	34
27	0.86	0.86	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.265246 ° -120.288048 °	37.265246 ° -120.288048 °	16
28	0.88	0.89	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.265142 ° -120.288045 °	37.264857 ° -120.288049 °	15
29	0.91	0.91	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.264590 ° -120.288037 °	37.264590 ° -120.288037 °	35
30	0.93	0.93	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.264325 ° -120.288038 °	37.264325 ° -120.288038 °	970 Y
31	0.93	0.93	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.264325 ° -120.288038 °	37.264325 ° -120.288038 °	36
32	0.97	0.97	Earthen Levee	Cracking	WS	W		37.263850 ° -120.288021 °	37.263850 ° -120.288021 °	14 Y

**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 04 Owens Creek Diversion						Left	1.44	11/18/2010 11/19/2010	John Paasch	
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
33	1.01	1.01	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. Inspector Comments: Rodents under gate and fence.	37.263116 ° -120.287789 °	37.263116 ° -120.287789 °	37
34	1.01	1.01	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.263147 ° -120.287784 °	37.263147 ° -120.287784 °	13
35	1.08	1.08	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	A	Inspector Comments: Gravity drainage outlet.	37.262230 ° -120.288145 °	37.262230 ° -120.288145 °	12
36	1.08	1.41	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	37.262204 ° -120.288157 °	37.257456 ° -120.288171 °	9 Y
37	1.16	1.41	Earthen Levee	Animal Control	WS	C	Exterminate rodents and backfill and compact or grout burrows.	37.261007 ° -120.288170 °	37.257498 ° -120.288100 °	11
38	1.16	1.41	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	37.261005 ° -120.288168 °	37.257502 ° -120.288102 °	10
39	1.22	1.22	Interior Drainage & Piping Systems	Culverts: Inlets / Outlets	WS	M	Inspector Comments: Gravity drainage outlet covered with soil.	37.260248 ° -120.288138 °	37.260248 ° -120.288138 °	8

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	4
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2007.

SJR2010\_RM0.21U4LM0.21LBa.jpg



Levee Mile Report Line	4
Start Levee Mile	0.15
End Levee Mile	0.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2007.

SJR2010\_RM0.21U4LM0.21LBb.jpg



Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

SJR2010\_RM0.42U4LM0.42LBa.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

SJR2010\_RM0.42U4LM0.42LBb.jpg



Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

SJR2010\_RM0.42U4LM0.42LBc.jpg



Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

SJR2010\_RM0.42U4LM0.42LBd.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	18
Start Levee Mile	0.65
End Levee Mile	0.65
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope.

jpaasch\_f\_20101122\_608.jpg



Levee Mile Report Line	20
Start Levee Mile	0.72
End Levee Mile	0.72
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope.

jpaasch\_f\_20101122\_607.jpg



Levee Mile Report Line	21
Start Levee Mile	0.73
End Levee Mile	0.73
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope.

jpaasch\_f\_20101122\_606.jpg



**\* Location**

LS : Land Side  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	22
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope.

jpaasch\_f\_20101122\_605.jpg



Levee Mile Report Line	30
Start Levee Mile	0.93
End Levee Mile	0.93
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Active animal burrows on levee slope.

jpaasch\_f\_20101122\_604.jpg



Levee Mile Report Line	32
Start Levee Mile	0.97
End Levee Mile	0.97
Location	Water Side
Category	Earthen Levee
Item	Cracking

Minor surface cracking on waterside levee slope.

jpaasch\_f\_20101122\_603.jpg



**\* Location**

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N : Not Inspected/Rated

C : Corrected  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Merced Streams Group**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.44	11/18/2010 11/19/2010	John Paasch

Levee Mile Report Line	36
Start Levee Mile	1.08
End Levee Mile	1.41
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Well maintained vegetation on levee slopes allows access and visibility.

jpaasch\_f\_20101122\_602.jpg



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